

Sony Ericsson mix Walkman™ phone



WT13i

Purpose of this document

Sony Ericsson product White papers are intended to give an overview of a product and provide details in relevant areas of technology.

Document history

Version

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Product overview

Sony Ericsson Mix Walkman™ phone

King of pop. Queen of soul. Check if your favourite track is up next. Just press the Zap key to zap in to what's coming and get a quick burst of the chorus. Found what you want? Just press Zap again and your track starts from the beginning. Invite your friends to a music quiz. Or a sing along. Sony Ericsson Mix Walkman™ phone comes with a full touch screen and dedicated Walkman™ and Zap keys.

Turn on the tones – it's Karaoke time

Does your voice shatter hearts? Or shatter glass? Press the microphone key and start a Karaoke session. Find your track, start the show and sing away. Until the crowd pay you to go away. With the built-in stereo speakers and stereo headset you can rock all around the clock. With or without an audience.

Why pay? Use Wi-Fi™*

Chat a lot. Save a lot. Post the party on Facebook™. Follow your favourite rock star on Twitter™. Or discuss who'll win the football final on Google Talk™. Just use Wi-Fi™. You'll often find it for free. Want to compare and rate new songs with your friends? Add your five best friends from your phonebook to the Friends app and see at a glance what they're thinking. On Facebook™, in mails and by text.

Every phone has a colour lining

Some bands sound good. The exchangeable bands for Sony Ericsson Mix Walkman™ phone look great. And with two in the box you can choose a look to match your music. All on a small, playful, loveable Walkman™ phone.



*Not all Wi-Fi hotspots are free of charge.

Facts – dimensions, weight, performance and networks

Operating system	ST-E RTKE OS
Processor	STE 4910
Size	95.8 x 52.8 x 14.3 mm
Weight	88 grams
Available colours	Black (Pink cloud band on black phone; Pink band on black phone; Green bird band on black phone; Green band on black phone)
Main screen	
Colours	262,144k colour TFT
Resolution	400x240 pixels (WQVGA)
Size (diagonal)	3 inches
Scratch-resistant	Yes
Input mechanisms	
Text input	Quick text (Zi)
Touch screen	Capacitive (single touch)
Touch gesture	Single touch
Handwriting recognition	Yes
Memory	
Internal phone storage	Up to 256 MB (up to 100 MB of user-accessible memory)
Expansion slot	microSD™, up to 32 GB
Camera	
Camera resolution	3.2 megapixel
Video recording	Yes – QVGA
Sensors	
Accelerometer	Yes
Proximity sensor	Yes
Networks	
WT13i	GSM GPRS/EDGE 850/900/1800/1900

Data transfer speeds	
GSM GPRS	Up to 115 kbps
GSM EDGE	Up to 200 kbps
Talk time (GSM)	9 hours 40 minutes*
Standby time (GSM)	465 hours*
Music listening time	Up to 13 hours*
Video playback time	Up to 4 hours
Battery	1000 mAh

* According to GSM Association Battery Life Measurement Technique.

Note: Battery performance may vary depending on network conditions and configuration, and phone usage.

Categorised list of features

 <p>Camera</p> <ul style="list-style-type: none"> 3 megapixel camera Send to web Video recording 	 <p>Music</p> <ul style="list-style-type: none"> Bluetooth™ stereo (A2DP) Media player Music tones (MP3/AAC) PlayNow™ service* SensMe™ TrackID™ music recognition Walkman™ player 	 <p>Internet</p> <ul style="list-style-type: none"> Bookmarks Google™ search Web browser (Obigo™ Q7)
 <p>Communication</p> <ul style="list-style-type: none"> Call list Conference calls Facebook™ application Polyphonic ringtones Speakerphone Twitter™ application Vibrating alert Friends application Google Talk Multiple IM 	 <p>Messaging</p> <ul style="list-style-type: none"> Conversations Email Instant messaging Multimedia messaging (MMS) Predictive text input Sound recorder Text messaging (SMS) 	 <p>Design</p> <ul style="list-style-type: none"> Auto rotation Four-corner Home screen Keyboard (on-screen, 12-key) Picture wallpaper Touchscreen
 <p>Entertainment</p> <ul style="list-style-type: none"> Java™ Radio (FM radio with RDS) Video viewing YouTube™* 	 <p>Organiser</p> <ul style="list-style-type: none"> Alarm clock Calculator Calendar Flight mode Notes Phonebook Stopwatch Timer 	 <p>Connectivity</p> <ul style="list-style-type: none"> 3.5 mm audio jack Bluetooth™ technology Micro USB support USB mass storage USB High speed 2.0 support USB support Wi-Fi™

*This service is not available in all markets.

Technologies in detail

NOTE: The information outlined below is general, levels of compliance to standards and specifications may vary between products and markets. For more information, contact Sony Ericsson Developer World or your Sony Ericsson contact person where applicable.

Device-to-device communications (local)

Bluetooth™ wireless technology

Bluetooth™ profiles supported	Generic Access Profile Headset Profile Handsfree Profile Object Push Profile Advanced Audio Distribution Profile AVRCP V1.0
Core version and supported features	Version 2.1
Connectable devices	All products support at least one of the profiles above.

More information:

www.sonyericsson.com/developer

www.bluetooth.com

Wi-Fi™

Supported standards	IEEE 802.11b/g and Wi-Fi™
Connectable devices	Wi-Fi™ or WAPI access points
Frequency band	2.4 GHz
Data transmission rate	Up to 54 Mbps
Security	WEP 64 bit, 128 bit WPA-PSK, WPA2-PSK WAPI-PSK WAPI-Certificate
Encryption	TKIP, AES

Java™

Java™ Platform, Micro Edition

JSR-75 PDA Optional Packages
JSR-118 (MIDP 2.0) J2ME Mobile Information Device Profile
JSR-120 J2ME Wireless Messaging API
JSR-135 J2ME Mobile Media API
JSR-139 (CLDC 1.1) Connected Limited Device Configuration
JSR-172 J2ME Web Services Specification
JSR-185 Java Technology for the Wireless Industry
JSR-211 Content Handler API
JSR-256 Mobile sensor API

Messaging

(MMS) Multimedia Messaging Service

According to OMA Multimedia Messaging Service v1.0 + SMIL

Email

Bearer type (IP)	GSM Data (IP) and GPRS
Character sets	BIG5 GB2312 Simplified Chinese ISO2022JP ISO-8859-1 ISO-8859-10 Nordic ISO-8859-2 Eastern Europe ISO-8859-7 Greek ISO-8859-9 Turkish KOI8 Shift JIS UCS-2 / ISO10646 UCS2 USASCII UTF-8 UTF-16 Windows® 1251 Cyrillic Windows® 1252 Windows® 1254 Turkish Windows® 1255 Hebrew
	Note: GB2312 is available in Simplified Chinese variants only, that is, Mainland China variants. BIG5 is only available in Traditional Chinese variants, that is, Hong Kong and Taiwan variants.
OTA provisioning solution	OMA Client Provisioning 1.1
Protocols	POP3, SMTP and IMAP4

Multimedia (audio and video)

Audio Playback	Decoder format AAC, AAC+, eAAC+ WMA (Standard format) MP3	Supported in file format 3GP (.3gp), AAC (.aac), MP4 (.mp4) WMA (.wma) MP3 (.mp3)
Ringtone Playback	Decoder format AAC, AAC+, eAAC+ AMR-NB, AMR-WB MP3 MIDI WMA (Standard format)	Supported in file format 3GP (.3gp), AAC (.aac), MP4 (.mp4) AMR (.amr) MP3 (.mp3) SMF (.mid) WMA (.wma)
Audio Recording	Encoder format AMR-NB	Supported in file format AMR (.amr)
Image Playback	Decoder format 1, 4, 8, 24, 32 bpp and RLE encoded formats Single and multi-frame, bitmap mask support (GIF87a format) Joint Photographic Experts Group Portable Network Graphics Bitmap mask support Wireless Bitmap	Supported in file format BMP (.bmp) GIF (.gif) JPEG (.jpg) PNG (.png) WBMP (.wbmp)
Image Capture	Encoder format Joint Photographic Experts Group	Supported in file format JPEG (.jpg)
Video Playback	Decoder format MPEG-4 Visual Simple Profile H.263 Profile 0	Supported in file format 3GP (.3gp); MP4 (.mp4)
Video Recording	Encoder format Video: MPEG-4 Visual Simple Profile Audio: AAC-LC	Supported in file format 3GP (.3gp)

Web browser

Browser version	Obigo™ Q7
Bookmarks	Sorting supported
Bookmark export/import	Bookmarks can be sent and received in vBookmark format using Bluetooth™ technology, SMS, MMS and email
Navigation/rendering	Full page PC rendering
Search	Internet Search
Browser compliancy	HTML version 4.01 XHTML Basic version 1.0 XHTML version 1.0 XHTML Mobile Profile version 1.1 WML 1.1, 1.2.1 and 1.3 CSS 2.1 ECMAScript Mobile Profile 1.0 DOM 2.0
Protocol Compliancy	HTTP/1.1

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